

A METHOD AND SYSTEM FOR DETECTING DROPPED MICRO-PACKETS

ABSTRACT OF THE DISCLOSURE

A system and a method of providing error detection and correction of transmission of multiple flits between sending and receiving agents connected together in a network or computer interconnect environment is disclosed that comprises embedding a sequence identifier in each flit prior to transmission, sending each flit to a connected receiving agent, examining the sequence identifiers of each flit being received and requesting the sending agent to resend a flit if the sequence identifier for that flit is determined to be incorrect.

In a preferred embodiment of the present invention, the sequence identifier is embedded in the control portion of the flit and comprises a sequence number that is incremented or otherwise changed in a predictable manner, so that the order of flits being received is predicted. If the sequence number for a flit is different that expected, the receiving agent requests that it be resent.

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